

RUBBER-OID

BUILT-UP ROOFS

A half century of RUBEROID

SINCE 1892, when The Ruberoid Co. pioneered in the production of prepared-ready-to-lay roofing, the growth of the company, the use and number of its products, has been constant and has kept pace with the growth of the United States. Ruberoid products are found all over the world — East and West — at the equator and touching the Arctic Circle.

Ruberoid Built-up Roofing materials are made under the constant supervision of Ruberoid engineers who are experts. The formulae used in these materials have been developed over a long period of years and are the result of a vast amount of research and tests under actual conditions which roofs must meet.

Ruberoid specifications comprising all types of built-up roofs enable architects to specify the type of roof best adapted to construction and climatic conditions. Ruberoid Bonded Built-up Roofs provide for the architect, builder and owner, a guarantee for 10, 15 or 20 years, according to the specifications used. Ruberoid Bonded Roofs are applied only by approved roofing contractors and the guarantee is backed by a National Surety Bond.

There are four popular types of built-up roofing used for roof construction; Asbestos Felt and Asphalt, Coal Tar Pitch and Tarred Felt, Asphalt Felt and Asphalt and combination roofs consisting of Asphalt Felt, Asphalt-saturated Asbestos Felt and Roofing Asphalt.

Climatic conditions, the pitch of the roof, proximity to fire hazards, construction of the roof deck and many other factors will determine what type of roof is selected. We can supply the materials for each of the four types of roofs, with specifications to meet any conditions.

On the opposite page are listed many of the Ruberoid Built-up Roofing Materials.

Tabulated on page 4 of this catalog is a chart, showing the specifications generally used for various types of roofs — the guarantees applying and other essential information.

On pages 5 to 11 are Ruberoid Specifications, covering each of the four principal types of roofs.

If you wish further information or have any unusual roofing problems, there is an efficient engineering department located at each of our district offices, ready to give you the benefit of their experience and to help you meet special conditions.



BUILT-UP

ROOFING MATERIALS

6
9

ASPHALT FELTS

No. 151

Consist of rag felts saturated with waterproofing asphalt. 32 in. and 36 in. wide rolls in No. 12, 14, 15, 20, 30 and 40 lb. weights. No. 24 lb. in 32 in. width only. Weights indicate lbs. per 100 sq. ft. average weight. Roll content varies from 432 to 108 sq. ft. All weights except No. 12 carry Underwriters' Label.

TARRED FELTS

No. 152

Consist of rag felts saturated with Coal Tar. Furnished in No. 12, 14, 15, and 24 lb. weights in rolls containing from 432 to 216 sq. ft. Weights indicate lbs. per 100 sq. ft. All weights except No. 12 carry Underwriters' Label.

ASBESCOAT No. 60 Asbestos Base Sheet No. 157

A heavy asbestos felt impregnated and coated on both sides with waterproofing asphalt and sanded with fine silica sand. Weight: 55 lbs. per 108 sq. ft. roll, 32 in. wide.

ASBESTOS FELTS

No. 158

Consist of felts made of asbestos fibres impregnated with waterproofing asphalt. Furnished as follows: Nos. 15, 20, 35 in 32 in. wide rolls. Nos. 15 and 20 contain 324 sq. ft. per roll. No. 35: 216 sq. ft. No. 15, also available in 4 in. wide rolls containing 121½ lin. ft. No. 20 has an additional coating of asphalt on one side.

COAL TAR PITCH

No. 155

Light Cooperage: 375 to 425 lbs. Heavy Cooperage: 625 to 675 lbs. Metal Containers: 500 lbs. Steel Drums: 475 lbs. Sm. light wood barrel—300 to 350 lbs. Large light wood barrel: 475 lbs. Wood barrels and metal drums: 400 lbs.

ASBESTOS COMBINATION FLASHING No. 161

3-ply combination, consisting of one asphalt saturated fabric cemented between two asphalt impregnated asbestos felts. A very flexible flashing material having unusual strength due to the fabric insertion. No. 29—16 in. wide, No. 58—32 in. wide. 29 and 58 lbs. per 50 ft. 6 in. wide roll.

ASPHALT PRIMER

No. 154

A light penetrating asphalt coating for non-combustible decks and walls. Available in 60 and 30 gal. drums. Weight, approximately 7½ lbs. per gallon.

COAL TAR (Refined)

No. 156

For use as a general preservative, underground and under water. Furnished in wood or metal barrels containing 50 gal. Weight: approximately 550 lbs.

TAR SATURATED ASBESTOS FELT

No. 159

Consists of asbestos felt saturated with coal tar. Used in construction of Asbestos Built-up Roofs. No. 15 lb.: 32 in., 324 sq. ft. per 45 lb. roll.

ROOFING ASPHALT

No. 153

99-9/10% pure petroleum asphalt having a high rating in tests for ductility (stretch) and viscosity (adherence). Used in connection with built-up roofs as the cementing layer between the felts and for top-coating over the roof when all the felts have been laid. Furnished in 150 to 160° melting point for flat roofs and 180 to 190° melting point for steep roofs. Put up in metal drums weighing approximately 475 lbs. per drum and 410 lb. metal drums.

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6/9 SUMMARY OF SPECIFICATIONS OF BUILT-UP ROOFS

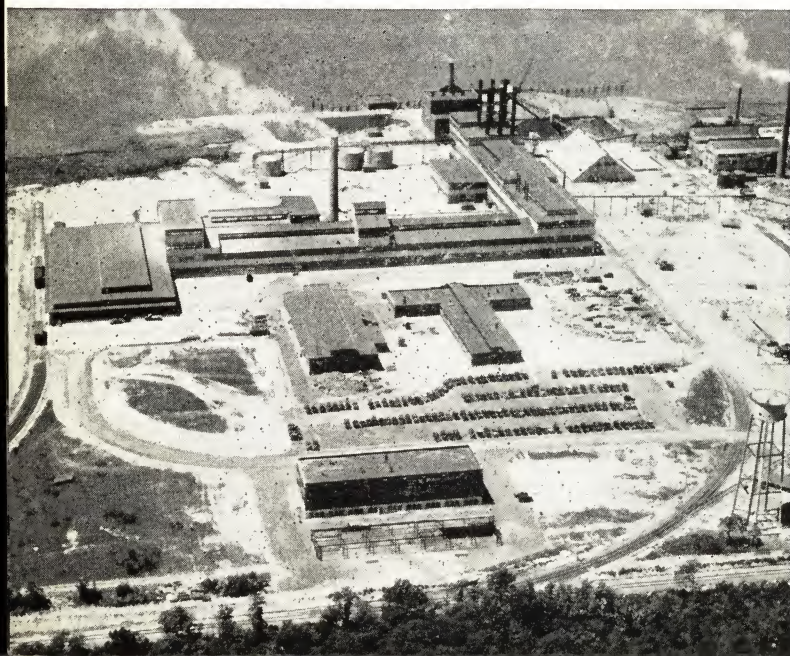
TYPE No.

DESCRIPTION

1	Tar saturated Rag Felt and Coal Tar Pitch, Slag or Gravel Finish.
2	Asphalt saturated Rag Felt and Roofing Asphalt, Slag or Gravel Finish. Also Mineral-surfaced Finish.
3	Asbestos Felt Built-up Roofs, Asphalt saturated Asbestos Felts and Bond Roofing Asphalt, Smooth Finish.
4	Combination Asphalt and Asbestos Felts, Asphalt saturated Rag Felt, Asphalt saturated Asbestos Felt and Bond Roofing Asphalt, Smooth Finish.

Type No.	Speci- fication No.	Designation	Construc- tion of Deck	Limita- tion of Roof Pitch (Inches)	Surface Finish	Type of Roofing Felt Involved	Under- writers' Lab. Inc. Rating	Number of Plies of Felt	Number of Mop- pings of Pitch	Total Weight Per Square		Term or Guar- anty Bond- ed Yrs.
										Gravel Sur- faced	Sur- faced Slag	
1	151	Pitch and Felt	Wood	2	Slag or Gravel	Tarred Rag Felt	A	One Layer Sheathing Paper, Four Plies No. 15 Tarred Felt	3	596	496	15
1	152	Pitch and Felt	Concrete	1	Slag or Gravel	Tarred Rag Felt	A	Three Plies No. 15 Tarred Felt	4	625	525	15
1	202	Pitch and Felt	Wood	2	Slag or Gravel	Tarred Rag Felt	A	One Layer Sheathing Paper, Five Plies No. 15 Tarred Felt	4	637	537	20
1	203	Pitch and Felt	Concrete	1	Slag or Gravel	Tarred Rag Felt	A	Four Plies No. 15 Tarred Felt	5	665	565	20
2	102	Asphalt Felt	Wood	Over 3	Mineral	Asphalt Felt	C	Two No. 15 Asphalt Felt, Two Ruberoid Dubl-Coverage Roofing	2	Min.	194	10
2	103	Asphalt Felt	Concrete	3 to 6	Mineral	Asphalt Felt	C	Ruberoid Concrete Primer, One No. 15 Asbestos Felt, Two Ruberoid Dubl-Coverage Roofing	3	Min.	218	10
2	153	Asphalt Felt	Wood	1/2 to 3	Slag or Gravel	Asphalt Felt	A	Four No. 15 Felts	3	566	466	15
2	154	Asphalt Felt	Concrete	1/2 to 3	Slag or Gravel	Asphalt Felt	A	Three No. 15 Felts	4	585	485	15
2	204	Asphalt Felt	Wood	1/2 to 3	Slag or Gravel	Asphalt Felt	A	Five No. 15 Felts	4	607	507	20
2	205	Asphalt Felt	Concrete	1/2 to 3	Slag or Gravel	Asphalt Felt	A	Four No. 15 Felts	5	625	525	20
3	150	Asbestos	Wood	1/2 to 6	Smooth	Asbestos	A	One No. 60 Asbestos, Two No. 20 Asbestos	3	Smooth	172	15
3	200	Asbestos	Wood	1/2 to 6	Smooth	Asbestos	A	One No. 60 Asbestos, Two No. 20 Asbestos	3	Smooth	172	20
3	201	Asbestos	Concrete	1/2 to 6	Smooth	Asbestos	A	One No. 60 Asbestos, Two No. 20 Asbestos	4	Smooth	215	20
4	100	Combination	Wood	1/2 to 6	Smooth	Rag & Asbestos	C	One No. 30 Rag Felt, Two No. 20 Asbestos	3	Smooth	149	10
4	101	Combination	Concrete	1/2 to 6	Smooth	Rag & Asbestos	A	One No. 30 Rag Felt, Two No. 20 Asbestos	4	Smooth	182	10
4	156	Combination	Wood	1/2 to 6	Smooth	Rag & Asbestos	C	One No. 40 Rag Felt, Two No. 20 Asbestos	3	Smooth	160	15
4	157	Combination	Concrete	1/2 to 6	Smooth	Rag & Asbestos	A	Two No. 15 Rag Felt, Two No. 20 Asbestos	5	Smooth	212	15
4	208	Combination	Wood	1/2 to 6	Smooth	Rag & Asbestos	B	One No. 40 Rag Felt, Three No. 20 Asbestos	4	Smooth	199	20
4	209	Combination	Concrete	1/2 to 6	Smooth	Rag & Asbestos	A	Two No. 15 Rag Felt, Three No. 20 Asbestos	6	Smooth	232	20

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GENERAL SPECIFICATIONS

for

RUBEROID BONDED BUILT-UP ROOFS

Applicable to All Specifications for Ruberoid Built-up Roofs on the Following Pages

DEFINITIONS

Unless otherwise specifically stated in any case, the terms hereunder listed shall be construed in accordance with definitions as follows:

Manufacturer—The RUBEROID Co., whose main office is at 500 Fifth Avenue, New York, N. Y.

Contractor—The Roofing Contractor.

Asphalt Felt—Ruberoid No. 30 Asphalt Felt. (Exceptions: Specifications No. 157, 209. Use Ruberoid No. 15 Asphalt Felt.)

Asbestos Felt—Ruberoid No. 20 Asphalt-saturated Asbestos Felt. Asphalt—Ruberoid Roofing Asphalt or Ruberoid Bond Roofing Asphalt.

Tarred Felt—Ruberoid No. 15 Tarred Felt.

Coal Tar Pitch—Ruberoid Coal Tar Pitch.

Asbestos Base Felt—Ruberoid No. 60 Asbestos Base Felt.

Concrete Primer—Ruberoid Concrete Primer.

Asphalt Base Felt—Ruberoid No. 40 Asphalt Felt.

WORK BY OTHERS

Over Board Sheathing: Specifications No. 100, 102, 150, 151, 153, 156, 200, 202, 204 and 208.

The roof deck must be constructed of seasoned lumber, dressed on upper side, dry and free from large cracks and knot holes. Roof boards must be securely nailed in place, leaving no nail heads above the wood surfaces. Surfaces must be properly graded to outlets and cant strips provided in the angle formed between the roof and vertical surfaces.

Over Board Sheathing With or Without Approved Insulation and Precast Gypsum Blocks: Specifications No. 151, 202.

If over boards, the roof deck shall be constructed of seasoned lumber, smooth and securely nailed, and free from large cracks or knot holes. It shall be properly graded to outlets and swept clean and free from all loose material.

Over Poured Concrete, Poured Gypsum, Precast Concrete Tile or Book Tile With or Without Approved Insulation: Specifications No. 101, 103, 152, 154, 157, 201, 203, 205 and 209.

The roof deck shall be thoroughly dry, smooth and free from loose material, and properly graded to outlets.

Where Book Tile is used the surface of the tile shall be covered with portland cement mortar 1-in. thick with a smooth and even finish.

Where poured gypsum or precast gypsum blocks are used, all felt shall be nailed as required when the roof deck is of boards.

For inclines exceeding 3-in. to the foot, if the deck is of concrete, wooden nailing strips must be provided at proper intervals.

Coves shall be provided in the angle formed between the roof and vertical surfaces.

GENERAL REQUIREMENTS

APPLYING TO CONTRACTOR

The contractor must be approved by the manufacturer.

The contractor shall inspect the roof surfaces and shall not proceed with roofing work until all defects reasonably apparent by proper inspection and which might injure the roofing, have been remedied by others. The contractor assumes responsibility for existing under-surfaces as to their fitness to receive roofing when he proceeds with his work.

Roof surfaces shall be swept clean and free of all loose material before proceeding with roofing work.

The contractor shall afford all necessary facilities for inspections by the manufacturer.

GENERAL NOTES

Note 1—Insulated Roofs—If this roof is to be applied over insulating material, the insulation must be firm, capable of withstanding traffic without crushing and of a type that will retain nails.

No more insulation shall be laid at one time than can be promptly protected by roofing in the event of sudden weather changes. A felt cut-off shall be mopped along the edge of the insulation at a distance not greater than one width of insulating material from walls, curbs and other openings.

Note 2—Leader Heads, Vents, etc.—Leader heads, vents and other openings shall be furnished with metal flanges of sufficient width to permit proper connections with the roofing. If not so furnished an exception of responsibility will be taken for any leaks which may develop immediately adjacent. Flanges of scuppers, gutters, gravel guards, finishing or edging strips, leader heads and vents shall be set on top of all felts, nailed and double felt stripped.

BONDS

The Manufacturer's Surety Bond Guaranty as issued by the National Surety Corp. of New York, N. Y., covering a period of . . . 10, 15, or 20 years, depending upon the specification used . . . from date of completion of the work shall be furnished.

Note: This guarantee is not given on jobs of less than 50 squares, nor in such portions of the United States as are not covered by the Manufacturer's Inspection Service, except by special arrangement with the Manufacturer.

ASBESTOS FELT AND ASPHALT FELT, SMOOTH FINISH ROOF

For Use Over Board Sheathing

For Inclines Not Exceeding 6-in. per Ft. (Not to Be Used on True Level Decks)

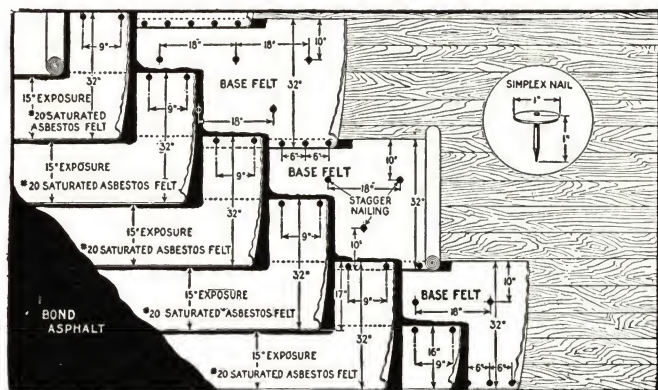
SPECIFICATION No. 100 (COMBINATION) — 10-YEAR BOND*

Underwriters' Laboratories Class C Rating

The roofing shall be a Ruberoid Bonded Roof carrying a 10-year Guaranty Bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Lay one ply of No. 30 Asphalt Felt, lapping sheets 2-in. at edges and not less than 6-in. at end laps. Nail at 6-in. intervals



along lap and at 18-in. intervals along lines 10-in. from each edge of each sheet, the latter nails being staggered. This felt shall be turned up not less than 4-in. along all walls and vertical surfaces.

Second—Over entire surface lay two plies of No. 20 Saturated Asbestos Felt, embedding each sheet in Asphalt, lapping each sheet 17-in. over preceding one and rolling each sheet immediately behind the mop to insure proper adhesion of all sheets. In no place shall felt touch felt. Each sheet shall be nailed along back edge only from 1-in. to 1½-in. down, at intervals of approximately 18 in. These felts shall be cut off at angle of roof deck and all vertical surfaces.

Third—Over entire surface mop a uniform coating of Asphalt, using not more than 20 lb. per 100 sq. ft.

Total Approximate Weight, 100 sq. ft. 149 lbs.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles. It shall be rolled immediately behind the hot mop and firmly embedded by brooming felt. Asphalt shall not be heated to exceed 450° F.

All nailing of roofing to board surfaces shall be done with Simplex flat head roofing nails or with ⅞-inch galvanized roofing nails, driven through flat tin discs.

All roofing work shall be done to the satisfaction and approval of the manufacturer.

SPECIFICATION No. 101 (COMBINATION) — 10-YEAR BOND*

For Use Over Poured Concrete, Poured Gypsum, Gypsum Block, Precast Concrete Tile, Book Tile or Approved Insulation

For Incline Not Exceeding 6-in. per Ft. (Not to Be Used on True Level Decks)

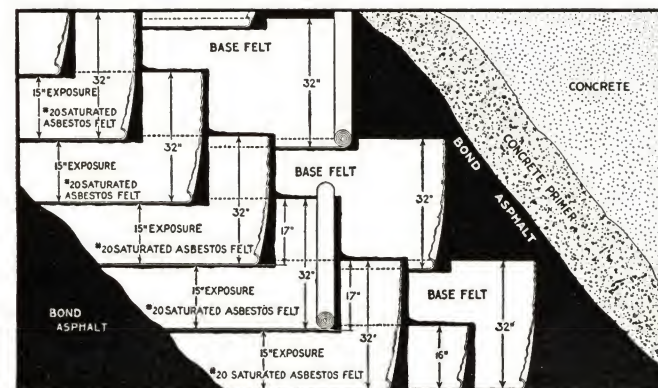
Underwriters' Laboratories Class A Rating

The roofing shall be a Ruberoid Bonded Roof carrying a 10-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Coat entire surface with Primer applied cold, allowing same to dry thoroughly. Where plastic material is used to caulk joints of blocks, coating of primer shall be held back 2-in. from all joints.

Second—Over entire surface lay one ply of No. 30 Asphalt Felt in Roofing Asphalt, lapping each sheet 2-in. over preceding one at edges and not less than 6-in. at end laps. Roll each sheet immediately behind mop to insure proper adhesion of all sheets. Mopping



and rolling shall be so done as to secure a continuous bed of asphalt of uniform thickness. In no place shall felt touch felt or roof deck. Felts shall be cut off at angle of roof deck and all vertical surfaces.

On inclines exceeding 3-in. to the foot these sheets shall be nailed at intervals of 9-in. along the lap into the nailing strips.

Note: Where poured gypsum or precast gypsum blocks are used, all three plies of felt shall be nailed as specified for board decks.

Third—Over entire surface lay in asphalt two plies of No. 20 Saturated Asbestos Felt, lapping each sheet 17-in. over preceding one, rolling each sheet immediately behind mop to insure a uniform coating of hot asphalt. In no place shall felt touch felt.

On inclines exceeding 3-in. to the foot, sheets shall be nailed at intervals of 18-in. along the nailing strips or back edge.

These felts shall be cut off at angle of roof deck and vertical surfaces.

Fourth—Over entire surface mop a uniform coating of asphalt, using not more than 20 lb. per 100 sq. ft.

Total Approximate Weight 100 sq. ft. 182 lbs.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles. It shall be rolled immediately behind hot mop and firmly embedded by brooming the felt. Asphalt shall not be heated to exceed 450° F.

All nailing of roofing shall be done with Simplex flat head roofing nails or with ⅞-inch galvanized roofing nails, driven through flat tin discs.

All roofing work shall be done to the satisfaction and approval of the manufacturer.

*For general specification see page 5.

COAL TAR PITCH AND TARRED FELT, GRAVEL OR SLAG FINISH ROOF

For Use Over Board Sheathing With or Without Approved Insulation and Precast Gypsum Blocks

For Inclines Not Exceeding 2-In. per Ft.

SPECIFICATION No. 151 — 15-YEAR BOND*

Underwriters' Laboratories Class A Rating

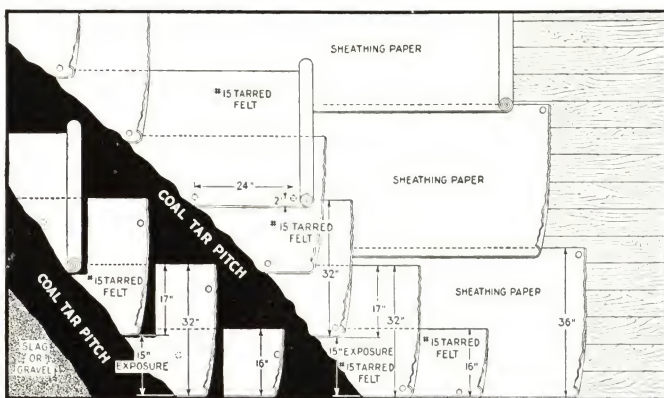
The roofing shall be a Ruberoid Bonded Roof carrying a 15-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Lay one thickness of sheathing paper, weighing not less than 5 lb. per 100 sq. ft., lapping sheets at least 1-in. If Precast Gypsum Block is used, sheathing paper may be omitted.

Second—Over entire surface lay two plies of No. 15 Tarred Felt, lapping each sheet 17-in. over preceding one, and turning up these felts not less than 4-in. along all vertical surfaces. Nail as often as is necessary to secure, until remaining felt is laid.

Third—Coat entire surface uniformly with Coal Tar Pitch.



Fourth—Over entire surface lay two plies of No. 15 Tarred Felt, lapping each sheet 17-in. over preceding one, mopping with Coal Tar Pitch full 17-in. on each sheet, so that in no place shall felt touch felt. Back edge of each sheet shall be nailed at intervals of 24-in. at a distance not greater than 6-in. from back edge of sheet. Such nailing as is necessary shall be done so that all nails are covered by not less than one ply of felt. Felts shall be cut off at angle of roof deck and walls or vertical surfaces.

Fifth—Over entire surface pour a uniform coating of Coal Tar Pitch into which, while hot, embed not less than 400 lb. of gravel or 300 lb. of slag for each 100 sq. ft. Gravel or slag shall be $\frac{1}{4}$ -in. to $\frac{5}{8}$ -in. in size, dry and free from dirt. If roof is applied during cold weather, or slag or gravel is damp, it shall be heated and dried immediately before application.

Total Approximate Weight 100 sq. ft. { gravel surface . . 596 lb.
slag surface . . . 496 lb.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles. Pitch shall not be heated to exceed 400° F.

All nailing or roofing shall be done with Simplex flat head roofing nails or with $\frac{7}{8}$ -inch galvanized roofing nails, driven through flat tin discs.

All roofing shall be done to the satisfaction and approval of the manufacturer.

ASPHALT FELT AND ASPHALT WITH SLAG OR GRAVEL SURFACE—SPECIFICATION NO. 153

15-Year Bond—Underwriters' Class A Rating—For inclines not exceeding 4-in. per Ft.

Construction identical with No. 151, except that no sheathing paper is required.

SPECIFICATION No. 152 — 15-YEAR BOND*

For Use Over Poured Concrete, Poured Gypsum, Precast Concrete Tile or Book Tile With or Without Approved Insulation

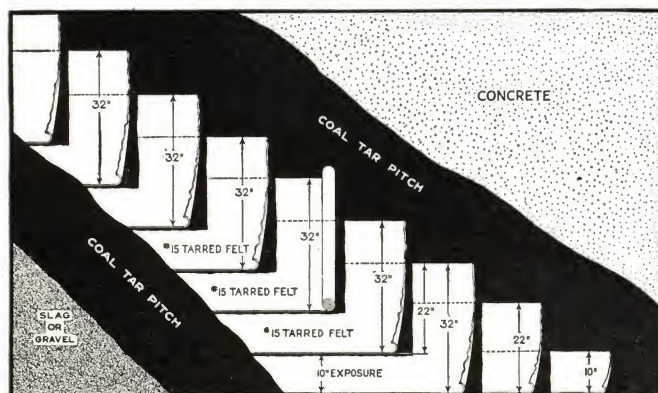
For Inclines Not Exceeding 1-in. per Ft.

Underwriters' Laboratories Class A Rating

The roofing shall be a Ruberoid Bonded Roof carrying a 15-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Coat deck uniformly with Coal Tar Pitch. If Precast Concrete Tile is used, surface shall be spot or strip mopped.



Second—Over entire surface lay three plies of No. 15 Tarred Felt, lapping each sheet 22-in. over preceding one and mopping with Coal Tar Pitch full 22-in. on each sheet so that in no place shall felt touch felt. Felt shall be cut off at angle of roof deck and walls or vertical surfaces.

Third—Over entire surface pour a uniform coating of Coal Tar Pitch into which, while hot, embed not less than 400 lb. of gravel or 300 lb. of slag for each 100 sq. ft. Gravel or slag shall be from $\frac{1}{4}$ -in. to $\frac{5}{8}$ -in. in size, dry and free from dirt.

If roof is applied during cold weather, or slag or gravel is damp, it shall be heated and dried immediately before application.

Total Approximate Weight 100 sq. ft. { gravel surface . . 625 lb.
slag surface . . . 525 lb.

WORKMANSHIP

All felt shall be laid without wrinkles or buckles. Pitch shall not be heated to exceed 400° F.

All roofing shall be done to the satisfaction and approval of the manufacturer.

ASPHALT FELT AND ASPHALT WITH SLAG OR GRAVEL SURFACE—SPECIFICATION NO. 154

15-Year Bond—Underwriters' Class A Rating—For inclines not exceeding 3-in. per ft.

Construction identical with No. 152, except that a concrete primer is used.

*For general specification see page 5.

ASBESTOS FELT AND ASPHALT SMOOTH FINISH ROOF

For Use Over Board Sheathing

For Inclines Not Exceeding 6-In. per Ft. (Not to Be Used on True Level Decks)

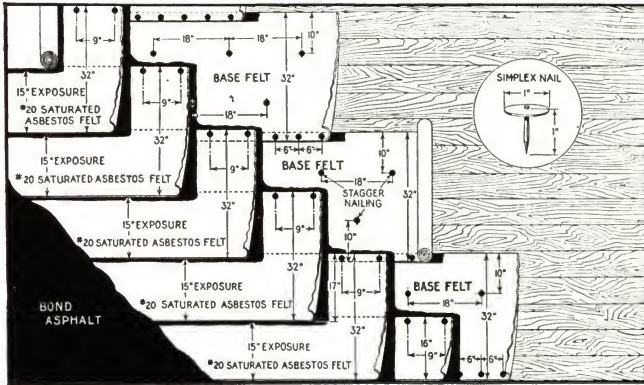
SPECIFICATION No. 200 — 20-YEAR BOND*

Underwriters' Laboratories Class A Rating

The roofing shall be Ruberoid Bonded Roof carrying a 20-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Lay one ply of No. 60 Saturated Asbestos Base-Felt, lapping each sheet 2-in. at edges and not less than 6-in. at end laps. Nail



at 6-in. intervals along lap, and also at intervals of 18-in. on a line 10-in. from each edge of sheet, staggering the nails. Felt shall be turned up not less than 4-in. along all vertical surfaces.

Second—Over entire surface embed in Asphalt two plies of No. 20 Saturated Asbestos Felt, lapping each sheet 17-in. over preceding one, rolling each sheet immediately behind mop to insure a uniform coating of hot Asphalt so that in no place shall felt touch felt. Each sheet shall be nailed along the back edge from 1 to 1 1/2-in. down at intervals of approximately 18-in. These felts shall be cut off at angle of roof deck and walls or vertical surfaces.

Third—Over entire surface mop a uniform coating of Asphalt using not more than 20 lb. per 100 sq. ft.

Total Approximate Weight per 100 sq. ft.172 lb.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles. It shall be rolled immediately behind the hot mop and firmly embedded by brooming the felt. The Asphalt shall not be heated to exceed 450° F.

All nailing of roofing to board surfaces shall be done with Simplex flat head roofing nails or with 7/8-inch galvanized roofing nails driven through flat tin discs.

All roofing shall be done to the satisfaction and approval of the manufacturer.

SPECIFICATION No. 201 — 20-YEAR BOND*

For Use Over Poured Concrete, Poured Gypsum, Gypsum Block, Precast Concrete Tile, Book Tile or Approved Insulation

For Inclines Not Exceeding 6-In. per Ft. (Not to Be Used on True Level Decks)

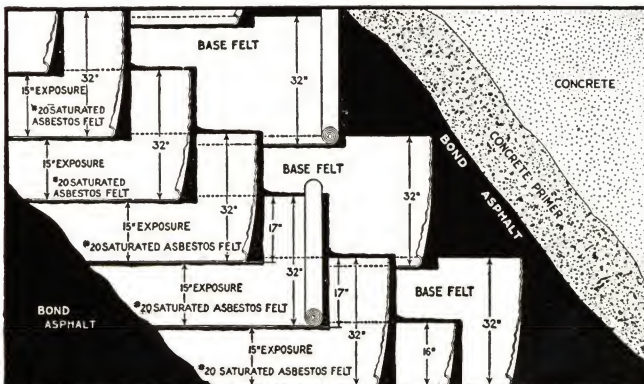
Underwriters' Laboratories Class A Rating

The roofing shall be a Ruberoid Bonded Roof carrying a 20-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Coat entire surface with Concrete Primer applied cold and allow same to dry thoroughly. Where plastic material is used to caulk joints of blocks, coating of primer shall be held back 2-in. from all joints.

Second—Over entire surface embed in Ruberoid Bond Asphalt



one ply of No. 60 Asbestos Base-Felt, lapping each sheet 2-in. over preceding one at edges and not less than 6-in. at end laps. Nail at intervals of 12-in. along laps into nailing strip. All felts shall be cut off at angle of roof deck and all walls or vertical surfaces.

Third—Over entire surface embed in Ruberoid Bond Asphalt two plies of No. 20 Asphalt-saturated Asbestos Felt, lapping each sheet 17-in. over preceding one, rolling each sheet immediately behind mop to insure a uniform coating of hot asphalt so that in no place shall felt touch felt.

On inclines exceeding 3-in. to the foot, these sheets shall be nailed 6-in. from back edge at intervals of 24-in. All felts shall be cut off at angle of roof deck and all walls or vertical surfaces.

Fourth—Over entire surface mop a uniform coating of Asphalt, using not more than 20 lb. per 100 sq. ft.

Total Approximate Weight per 100 sq. ft.215 lb.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles. It shall be rolled immediately behind the hot mop and firmly embedded by brooming the felt.

All nailing of roofing to roof surfaces shall be done with Simplex flat head roofing nails or with 7/8-in. galvanized roofing nails, driven through flat tin discs.

All roofing shall be done to the satisfaction and approval of the manufacturer.

*For general specification see page 5.

COAL TAR PITCH AND TARRED FELT, GRAVEL OR SLAG FINISH ROOF

For Use Over Board Sheathing With or Without Approved Insulation and Precast Gypsum Blocks

For Inclines Not Exceeding 2-In. per Ft.

SPECIFICATION No. 202 — 20-YEAR BOND*

Underwriters' Laboratories Class A Rating

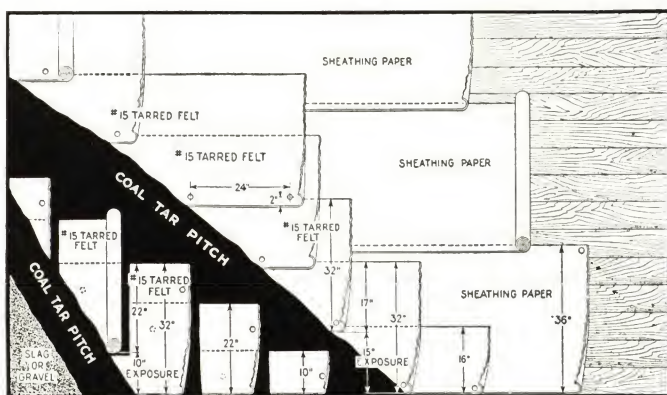
The roofing shall be a Ruberoid Bonded Roof carrying a 20-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Lay one thickness of sheathing paper, weighing not less than 5 lb. per 100 sq. ft., lapping the sheets at least 1-in. If Precast Gypsum Block is used, sheathing paper may be omitted.

Second—Over entire surface lay two plies of No. 15 Tarred Felt, lapping each sheet 17-in. over preceding one and nailing enough to secure, until remaining felt is laid. These felts shall be turned up not less than 4-in. along all walls or vertical surfaces.

Third—Coat entire surface uniformly with Coal Tar Pitch.



Fourth—Over entire surface lay three plies of No. 15 Tarred Felt, lapping each sheet 22-in. over preceding one, mopping with Coal Tar Pitch the full 22-in. on each sheet, so that in no place shall felt touch felt. The back edge of sheet shall be nailed at intervals of 24-in. at a distance not greater than 6-in. from back edge of sheet. Necessary nailing shall be done so that all nails are covered by not less than two plies of felt. These felts shall be cut off at angle of roof deck and walls or vertical surfaces.

Fifth—Over entire surface pour a uniform coating of Coal Tar Pitch into which, while hot, embed not less than 400 lb. of gravel or 300 lb. of slag for each 100 sq. ft. Gravel or slag shall be 1/4-in. to 5/8-in. in size, dry and free from dirt. If roof is applied during cold weather, or slag or gravel is damp, it shall be heated and dried immediately before application.

Approximate Weight per 100 sq. ft. { gravel surface ..637 lb.
slag surface537 lb.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles, and pitch shall not be heated to exceed 400° F.

All nailing of roofing shall be done with Simplex flat head roofing nails or with 7/8-inch galvanized roofing nails, driven through flat tin discs.

All roofing shall be done to the satisfaction and approval of the manufacturer.

ASPHALT FELT AND ASPHALT WITH SLAG OR GRAVEL SURFACE—SPECIFICATION NO. 204

20-Year Bond—Underwriters' Class A Rating—For inclines not exceeding 3-in. per ft.

Construction Identical with No. 202, except that no sheathing paper is used.

SPECIFICATION No. 203 — 20-YEAR BOND*

For Use Over Poured Concrete, Poured Gypsum, Precast Concrete Tile or Book Tile With or Without Approved Insulation

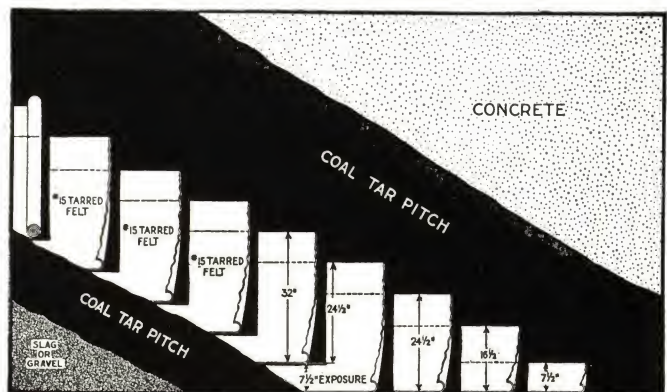
For Inclines Not Exceeding 1-In. per Ft.

Underwriters' Laboratories Class A Rating

The roofing shall be a Ruberoid Bonded Roof carrying a 20-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Coat roof deck uniformly with Coal Tar Pitch. If Precast Concrete Tile is used, surface shall be spot or strip mopped.



Second—Over entire surface lay four plies of No. 15 Tarred Felt, lapping each sheet 24 1/2-in. over the preceding one and mopping with Coal Tar Pitch the full 24 1/2-in. on each sheet, so that in no place shall felt touch felt. These felts shall be cut off at angle of roof deck and walls or vertical surfaces.

Third—Over entire surface pour a uniform coating of Coal Tar Pitch into which, while hot, embed not less than 400 lb. of gravel or 300 lb. of slag for each 100 sq. ft. Gravel or slag shall be from 1/4-in. to 5/8-in. in size, dry and free from dirt. If roof is applied during cold weather, or slag or gravel is damp, it shall be heated and dried immediately before application.

Approximate Weight per 100 sq. ft. { gravel surface ..665 lb.
slag surface565 lb.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles, and pitch shall not be heated to exceed 400° F.

All roofing shall be done to the satisfaction and approval of the manufacturer.

ASPHALT FELT AND ASPHALT WITH SLAG OR GRAVEL SURFACE—SPECIFICATION NO. 205

20-Year Bond—Underwriters' Class A Rating—For inclines not exceeding 3-in. per ft.

Construction Identical with No. 203, except that a concrete primer is used.

*For general specification see page 5.

ASBESTOS FELT AND ASPHALT FELT, SMOOTH FINISH ROOF

For Use Over Board Sheathing

For Inclines Not Exceeding 6-in. per Ft. (Not to Be Used on True Level Decks)

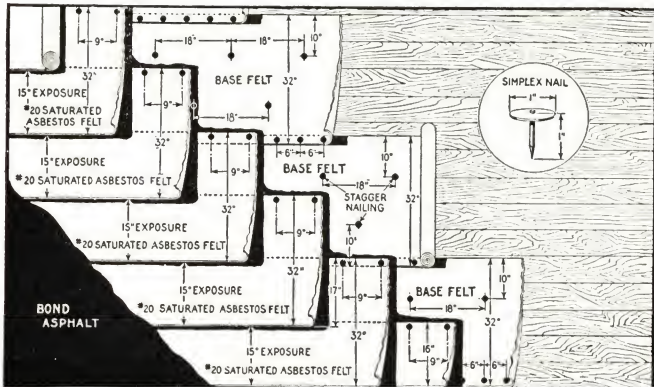
SPECIFICATION No. 156 (COMBINATION) — 15-YEAR BOND*

Underwriters' Laboratories Class C Rating

The roofing shall be a Ruberoid Bonded Roof carrying a 15 year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Lay one ply of No. 40 Asphalt Base Felt, lapping each sheet 2-in. at edges and not less than 6-in. at end laps. Nail at



6-in. intervals along lap and also at intervals of 18-in. on a line 10-in. from each edge of sheet, staggering the nails. This felt shall be turned up not less than 4-in. along all walls and vertical surfaces.

Second—Over entire surface embed in Ruberoid Bond Asphalt two plies of No. 20 Asphalt-Saturated Asbestos Felt lapping each ply 17-in. over preceding one and rolling each ply immediately behind mop to insure a uniform coating of hot asphalt so that in no place shall felt touch felt. Each ply shall be nailed along back edge at intervals of approximately 18-in. These felts shall be cut off at angle of roof deck and all walls or vertical surfaces.

Third—Over entire surface mop a uniform coating of Asphalt, using not more than 20 lbs. per 100 sq. ft.

Total approximate weight, 100 sq. ft.149 lbs.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles. It shall be rolled immediately behind hot mop and firmly embedded by brooming the felt. Asphalt shall not be heated to exceed 450° F.

All nailing of roofing to board surfaces shall be done with Simplex flat head roofing nails or with 7/8-in. galvanized roofing nails driven through flat tin discs.

All roofing shall be done to the satisfaction and approval of the manufacturer.

SPECIFICATION No. 157 (COMBINATION) — 15-YEAR BOND*

For Use Over Poured Concrete, Poured Gypsum, Gypsum Block, Precast Concrete Tile, Book Tile or Approved Insulation

For Inclines Not Exceeding 6-In. per Ft. (Not to Be Used on True Level Decks)

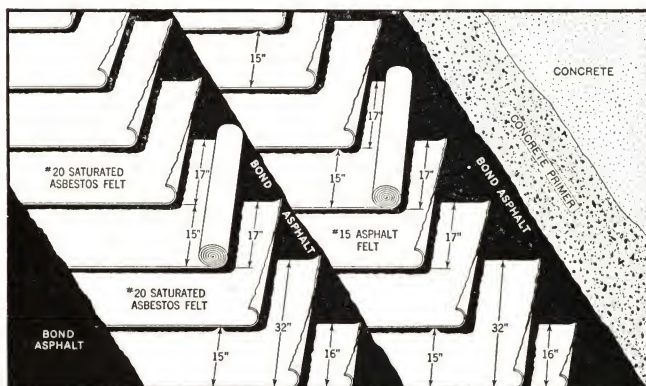
Underwriters' Laboratories Class A Rating

The roofing shall be a Ruberoid Bonded Roof carrying a 15-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Coat entire surface with Primer applied cold, allowing same to dry thoroughly. Where plastic material is used to caulk joints of blocks, coating of primer shall be held back 2-in. from all joints.

Second—Over entire surface lay two plies of No. 15 Asphalt Felt in Ruberoid Bond Roofing Asphalt, lapping each ply 17-in. over preceding one and rolling each ply immediately behind mop to



insure proper adhesion of all sheets. In no place shall felt touch felt. Felts shall be cut off at top of cove in angle of roof deck and all vertical surfaces.

On inclines exceeding 3-in. to the foot these sheets shall be nailed at intervals of 18-in. along back edge into the nailing strips.

Note: Where poured gypsum or precast gypsum blocks are used, all felt shall be nailed as specified for board decks.

Third—Over entire surface lay in asphalt two plies of No. 20 Asphalt-saturated Asbestos Felt, lapping each ply 17-in. over preceding one, rolling each ply immediately behind mop to insure a uniform coating of hot asphalt. In no place shall felt touch felt.

On inclines exceeding 3-in. to the foot, plies shall be nailed at intervals of 18-in. along back edge into the nailing strips.

The felt shall be cut off at angle of roof deck and vertical surfaces.

Fourth—Over entire surface mop a uniform coating of asphalt, using not more than 20 lbs. per 100 sq. ft.

Total Approximate Weight per 100 sq. ft.212 lbs.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles. It shall be rolled immediately behind the hot mop and firmly imbedded by brooming the felt. Asphalt shall not be heated to exceed 450° F.

All nailing of roofing to roof surfaces shall be done with Simplex flat head roofing nails or with 7/8-in. galvanized roofing nails driven through flat tin discs.

All roofing shall be done to the satisfaction and approval of the manufacturer.

*For general specification see page 5.

ASBESTOS FELT AND ASPHALT FELT, SMOOTH FINISH ROOF

For Use Over Board Sheathing

For Inclines Not Exceeding 6-In. per Ft. (Not to Be Used on True Level Decks)

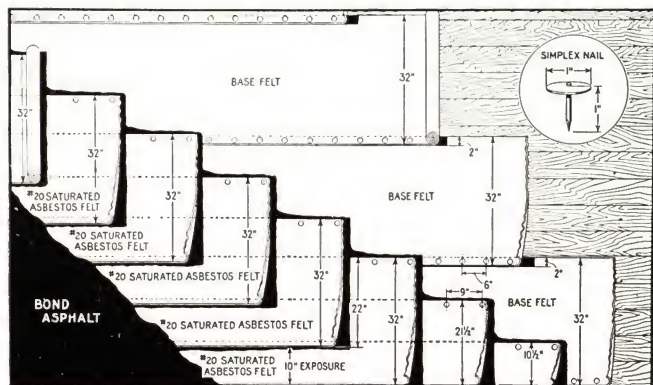
SPECIFICATION No. 208 (COMBINATION) — 20-YEAR BOND*

Underwriters' Laboratories Class B Rating

The roofing shall be a Ruberoid Bonded Roof carrying a 20-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Lay one ply of No. 40 Saturated Asphalt Base Felt, lapping each sheet 2-in. and not less than 6-in. at end laps. Nail at 6-in.



intervals along the lap. This felt shall be turned up not less than 4-in. along all vertical surfaces.

Second—Over this No. 40 Asphalt Base Felt embed in Ruberoid Bond Asphalt three plies of No. 20 Saturated Asbestos Felt, lapping each sheet 22-in. over preceding one, rolling each sheet immediately behind mop to insure a uniform coating of hot Ruberoid Bond Asphalt so that in no place shall felt touch felt. Each sheet shall be nailed along back edge from 1 to 1½-in. down at intervals of approximately 18-in. These felts shall be cut off at angle of roof deck and walls or vertical surfaces.

Third—Over entire surface mop a uniform coating of Asphalt, using not more than 20 lbs. per 100 sq. ft.

Total approximate weight per 100 sq. ft.199 lbs.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles. It shall be rolled immediately behind the hot mop and firmly embedded by brooming the felt. The Asphalt shall not be heated to exceed 450° F.

All nailing of roofing to board surfaces shall be done with Simplex flat head roofing nails or with ⅞-in. galvanized roofing nails driven through flat tin discs.

All roofing shall be done to the satisfaction and approval of the manufacturer.

SPECIFICATION No. 209 (COMBINATION) — 20-YEAR BOND*

For Use Over Poured Concrete, Poured Gypsum, Gypsum Block, Precast Concrete Tile, Book Tile or Approved Insulation

For Inclines Not Exceeding 6-In. per Ft. (Not to Be Used on True Level Decks)

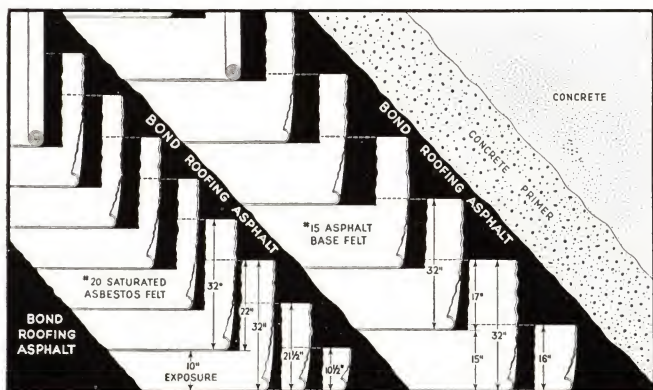
Underwriters' Laboratories Class A Rating

The roofing shall be a Ruberoid Bonded Roof carrying a 20-year guaranty bond, installed in accordance with conditions and specifications as hereinafter set forth.

SPECIFICATIONS FOR LAYING ROOFING

First—Coat entire surface with Primer applied cold, allowing same to dry thoroughly. Where plastic material is used to caulk joints of blocks, coating of primer shall be held back 2-in. from all joints.

Second—Over entire surface lay two plies of No. 15 Asphalt Felt in Roofing Asphalt, lapping each ply 17-in. over preceding one and rolling each ply immediately behind mop to insure proper adhesion



of all sheets. In no place shall felt touch felt. Felts shall be cut off at top of cove or angle of roof deck and all vertical surfaces.

On inclines exceeding 3-in. to the foot these sheets shall be nailed at intervals of 18-in. along the back edge into nailing strips.

Third—Over entire surface embed in Ruberoid Bond Asphalt three plies of No. 20 Saturated Asbestos Felt, lapping each sheet 22-in. over preceding one, rolling each sheet immediately behind mop to insure a uniform coating of hot Roofing Bond Asphalt so that in no place shall felt touch felt. Each sheet shall be nailed 6-in. from back edge, at intervals of approximately 18-in. These felts shall be cut off at angle of roof deck and walls or vertical surfaces.

Note: Where poured gypsum or precast gypsum blocks are used, all felt shall be nailed as specified for board decks.

On inclines exceeding 3-in. to the foot, these sheets shall be nailed along back edge at intervals of 24-in.

Fourth—Over entire surface mop a uniform coating of Asphalt, using not more than 20 lbs. per 100 sq. ft.

Total Approximate Weight per 100 sq. ft.232 lbs.

WORKMANSHIP

Felt shall be laid without wrinkles or buckles. It shall be rolled immediately behind the hot mop and firmly embedded by brooming the felt. Asphalt shall not be heated to exceed 450° F.

All nailing of roofing to board surfaces shall be done with Simplex flat head roofing nails or with ⅞-in. galvanized roofing nails driven through flat tin discs.

All roofing shall be done to the satisfaction and approval of the manufacturer.

*For general specification see page 5.



New unit of the Home Office Group of the Metropolitan Life Insurance Co., New York, N. Y. Protected with 45,000 square feet RU-BER-OLD Built-up Roofing.
Architects—Dan Everett Waid & Harvey Wiley Corbett, N.Y.



Benjamin Franklin School, Rochester, N. Y.
Protected with 140,000 square feet RU-BER-OLD Built-up Roofing.
Architect—Gordon and Kaelber, Rochester, N. Y.



Chicago Merchandise Mart, Chicago, Ill. Protected with 225,000 square feet RU-BER-OLD Built-up Roofing
Architects—Graham, Anderson, Probst & White, Chicago, Ill.



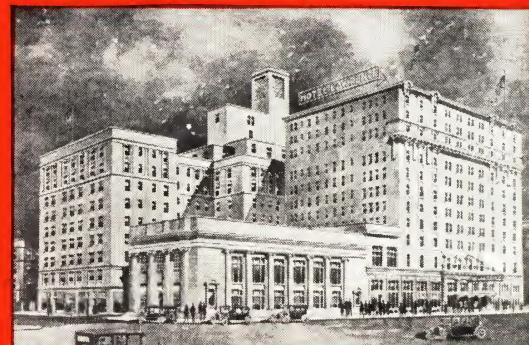
Manufacturing and Warehouse Building
Continental Can Company, Houston, Texas. Protected with 50,000 square feet RU-BER-OLD Built-up Roofing.
Plans—Company Engineer.



Cleveland Stadium, Cleveland, Ohio.
Protected with 220,000 square feet RU-BER-OLD Built-up Roofing.
Architects—Walker & Weeks, Cleveland, Ohio.



Huron Road Hospital, E. Cleveland, Ohio.
Protected with 19,000 square feet RU-BER-OLD Built-up Roofing.
Architect—George S. Rider Co., Cleveland, Ohio.



Lawrence Hotel, Erie, Pa.
Protected with 11,200 square feet RU-BER-OLD Built-up Roofing.
Roofers—McCreary Roofing Co., Erie, Pa.



The Ford Company Pressed Steel and Spring Upset Buildings at the River Rouge Plant are pictured here. Over 2,000,000 square feet RU-BER-OLD Built-up Roofs protect Ford factories. Architect, Albert Kahn, Detroit, Mich.